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2017, May 29

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# CPWG 23

## NAV CANADA Update

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MACCO YEG FIR



# ABOUT NAV CANADA

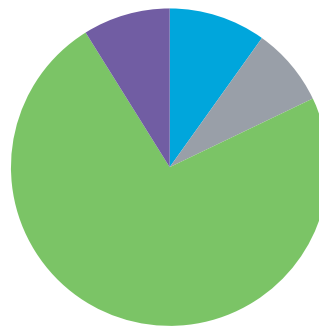


- › Private, non-share capital company
- › Second largest ANSP in the world
- › 12 million aircraft movements annually
- › 18 million square km of airspace
- › Regulated by federal government on safety performance



## OUR PEOPLE

4,800 employees across the country



- Technical Operations
- Engineering
- Operations

## OUR SERVICES

- › Air traffic control
- › Flight information
- › Weather briefings
- › Aeronautical information
- › Airport advisory services
- › Electronic navigation aids

# OUR FACILITIES

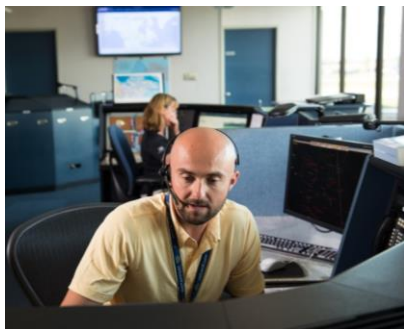
7 Area Control Centres



41 Air Traffic Control Towers



55 Flight Service Stations



8 Flight Information Centres

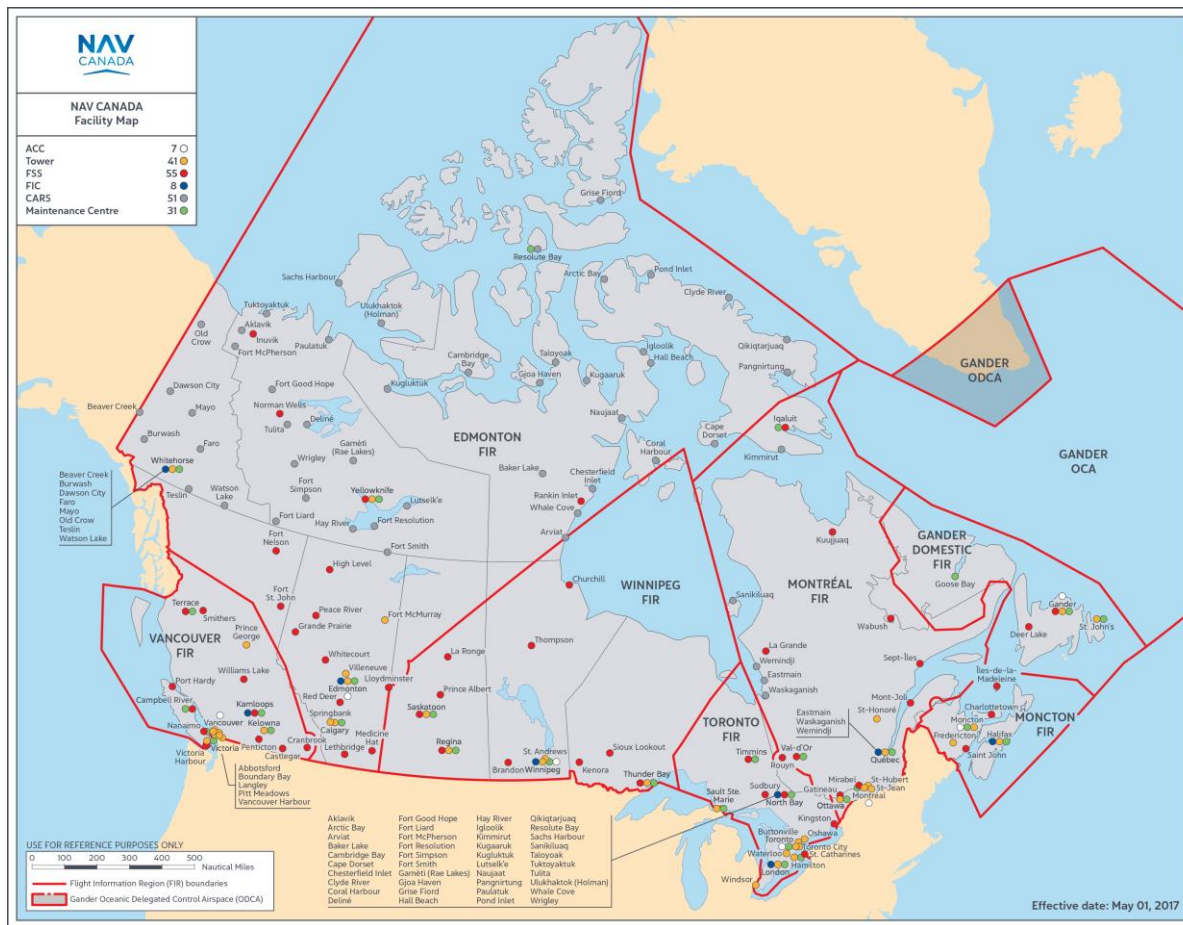


51 Community Aerodrome  
Radio Stations



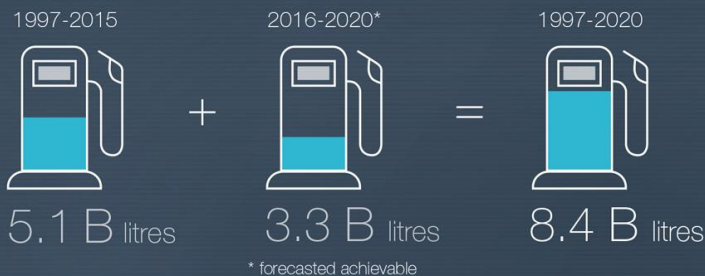
31 Maintenance Centres



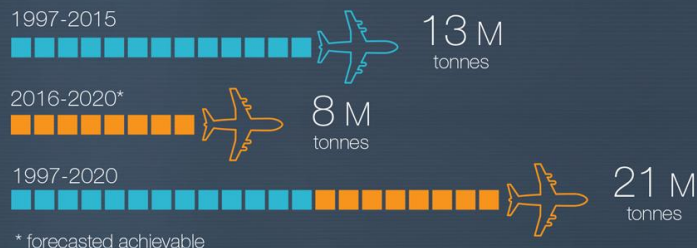


# CUSTOMER FUEL AND EMISSIONS SAVINGS

Fuel savings

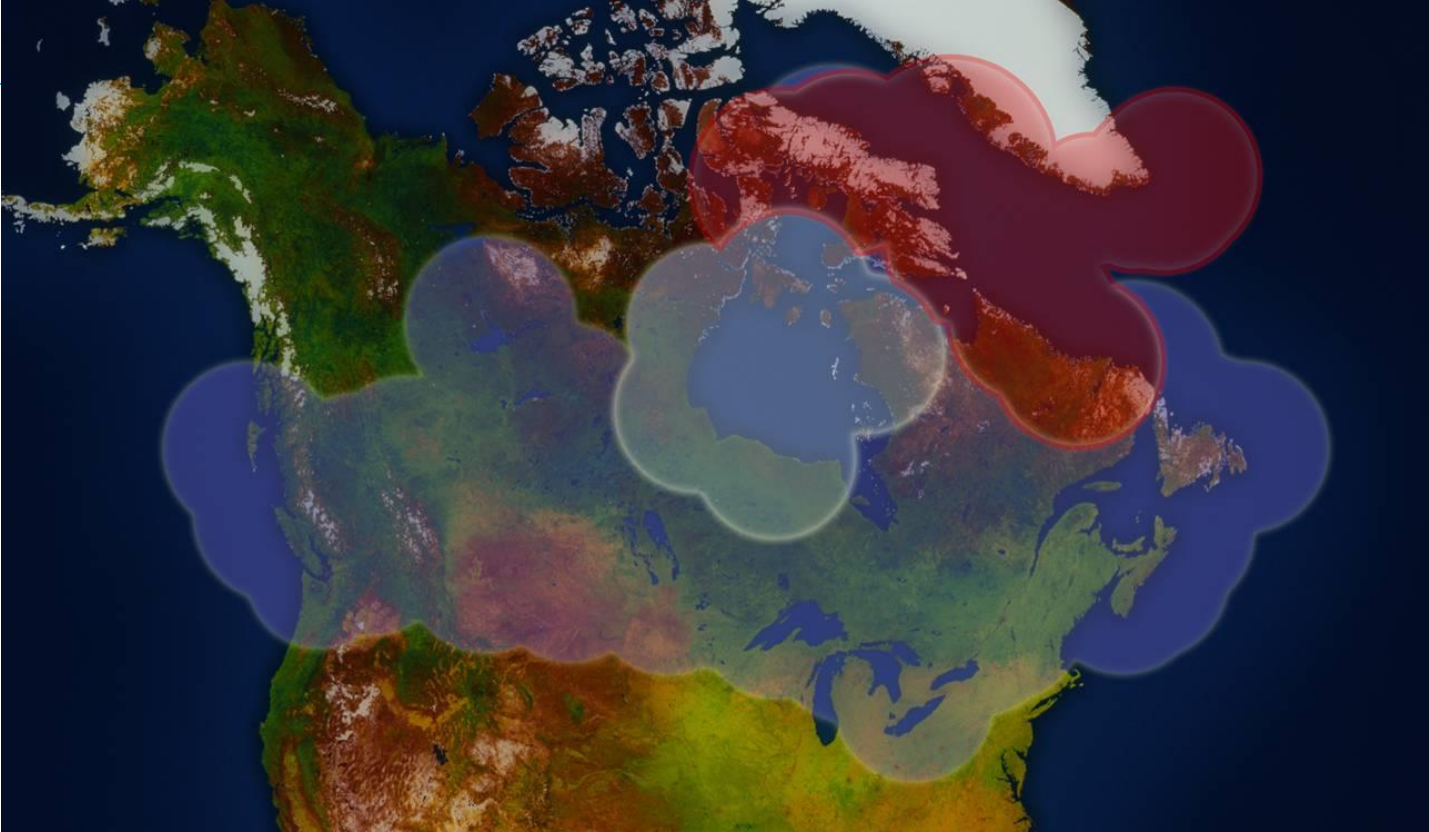


GHG  
emissions  
savings



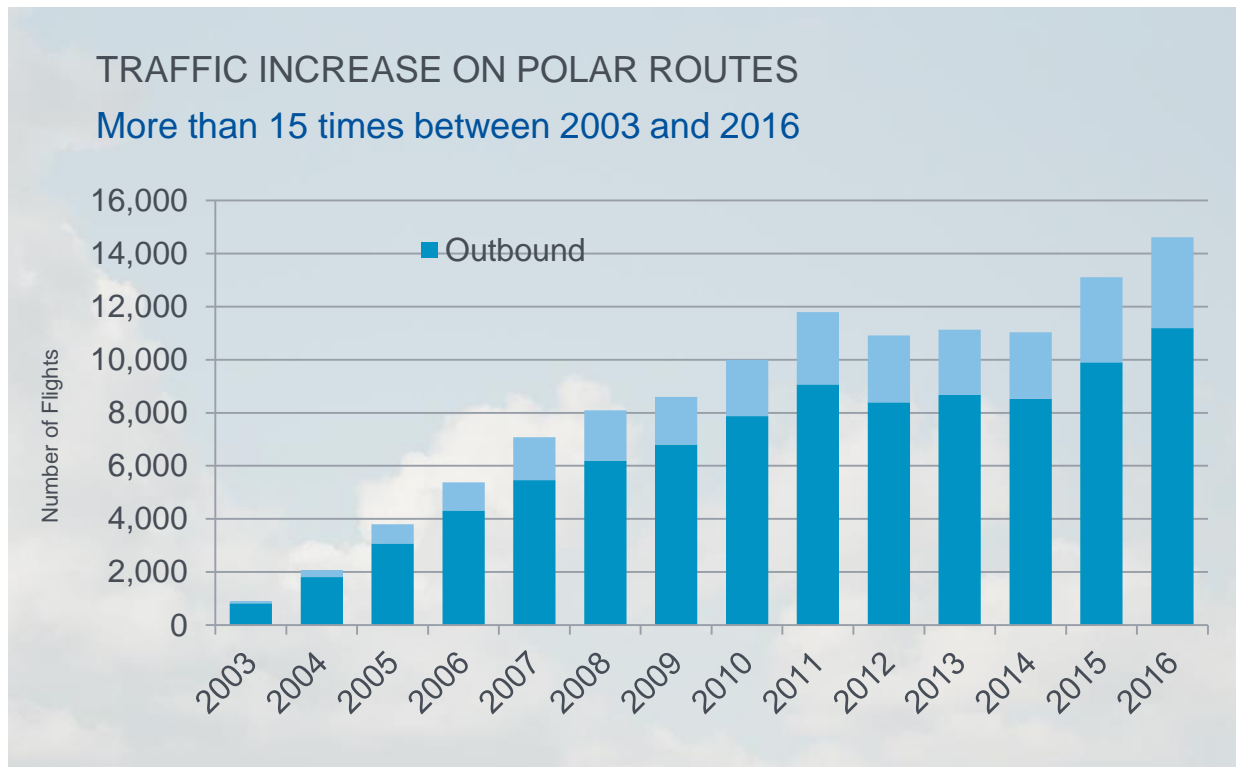
In 2015 NAV CANADA  
initiatives saved enough  
jet fuel to fill **3.6** million  
barrels of oil





**Surveillance Coverage (radar and ADS-B) 2016**

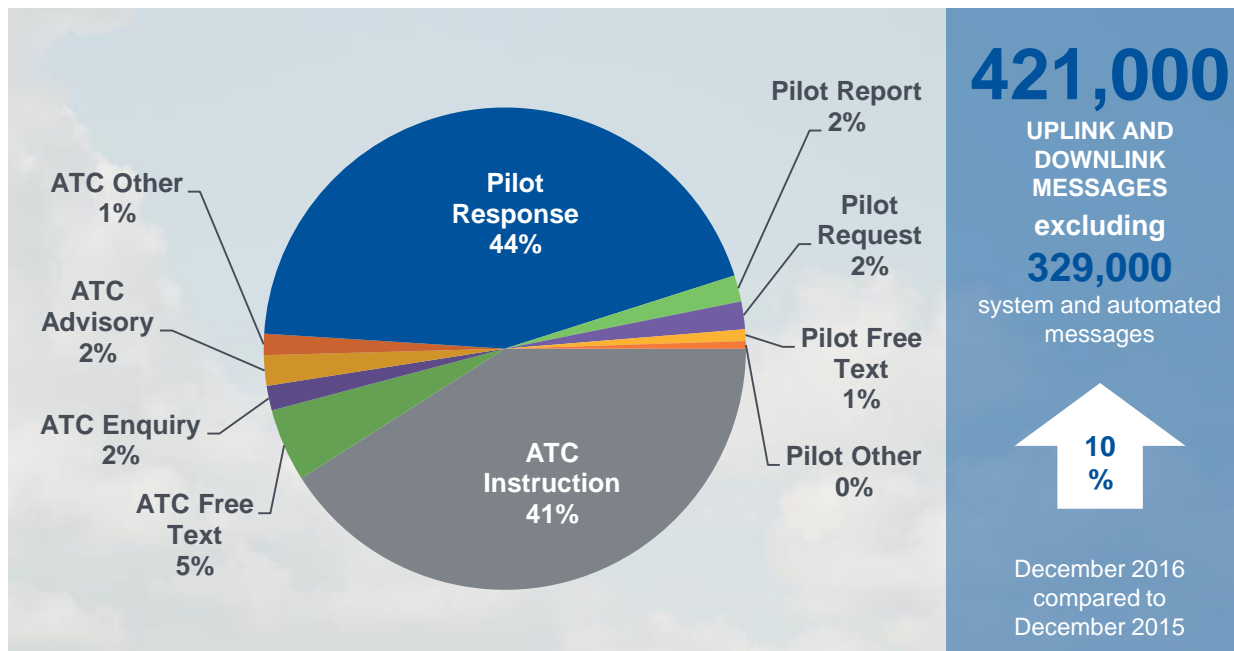
# POLAR ROUTES GROWTH





# CONTROLLER-PILOT DATA LINK COMMUNICATIONS

CPDLC Messages | Domestic



# EDMONTON AOC UPGRADE

2017-2019

- › Built in 1985
- › Upgrade to power systems
- › HVAC Upgrade
- › Perimeter Security Upgrade
- › 5000 sq. ft. Building Expansion
- › Refurbishment of Existing Building



# SERVICE DELIVERY PRIORITIES

- › Planning for RNP 4
- › ADS-C CDP being reviewed
- › Focus on ANC in support of ATOP activities
- › Reviewing Common Boundary Procedures
- › Review of Track loading with ANC



# **VOLCANIC ASH EXERCISE SUPPORT**

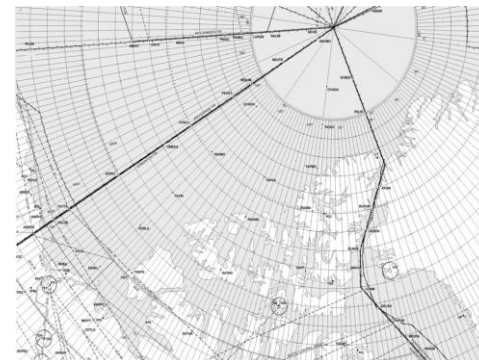
VOLKAM / VOLCEX

- › NAV CANADA exercise involvement limited
- › Attending Planning Meetings for both
- › Working to develop our roles and responsibilities
- › Supports objective of both exercises
- › Significant investment in time and money

# NORTHERN TRACK CHANGES

## UPR Customer Support

- › Support Customer requests for named fixes
- › Revoking unused tracks in both east and west domestic airspace
- › 26 Tracks in total
- › Coordination with ANC completed
- › Leaving named fixes on from these tracks as fixes in airspace
- › Fix names to be intuitive for controllers
  - *NCA-A fixes to start with letter A*
- › Chart changes scheduled in the next year





# SATVOICE DCPC

## Two Phased Implementation

- › Phase one to include Controller to Pilot
- › Phase two to include Pilot to Controller
- › Starting fall 2017
- › Dialing off of data tag direct to aircraft via unique ID
- › Pilot to controller will reach correct sector
- › Testing to start in fall
- › Will include several major airlines





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# QUESTIONS ?

